

CLAIMS

1. An evaporable getter device (10; 20) comprising a metallic container (101; 201) containing a mixture of powders (104; 205) of the BaAl_4 compound and nickel, Ni, as well as two metallic nets (106, 107; 207, 208) having different wire diameter and apertures, that are superimposed and inserted in said container over said powders.
2. A device according to claim 1, wherein the first net (106, 207) has wire diameter comprised between 0,3 and 1,5 mm and apertures comprised between 1,4 and 2,4 mm, and the second net (107, 208) has wire diameter comprised between 0,025 and 0,050 mm and apertures comprised between 0,025 and 0,075 mm.
3. A device according to claim 2, wherein said first net faces the powders of the BaAl_4/Ni mixture.
4. A device (10) according to claim 1, wherein the container (101) of the powders has a cylindrical shape, with an outer wall (102) and a bottom wall (103) defining a space (105) containing said powders (104).
5. A device (20) according to claim 1, wherein the container (201) of the powders has an annular shape, with an outer wall (202), a bottom wall (203), and a central rise (204) defining an annular space (206) containing said powders (205).
6. The device according to claim 1, wherein the metallic nets (106, 107; 207, 208) are secured by welding to the outer wall (102; 202) of the container.
7. The device according to claim 1, wherein the metallic nets (106, 107; 207, 208) are held in position inside the container thanks to recesses of outer wall (102; 202) obtained through a mechanical deformation thereof.
8. The device according to claim 1, wherein the container (101; 201) and the metallic nets (106, 107; 207, 208) are formed of a steel selected in the AISI 300 and AISI 400 series.
9. The device according to claim 8, wherein said steel is AISI 304 steel.